AMENDMENTS TO THE CLAIMS

This listing of claims replaces all previous versions and listings of claims in this application.

Claim Listing:

1-14. (Cancelled)

15.   (Previously Presented) A method for providing a network node serving a called subscriber with CAMEL-related information in an IP-based system using SIP, wherein the method comprises:

routing a call to the network node via an entry point for the called subscriber;

generating a CAMEL call reference number for the call in the entry point;

adding at least the CAMEL call reference number and the address of the entry point as CAMEL-related information to the SIP INVITE message; and

sending the SIP INVITE message to the network node.

16.   (Previously Presented) A method comprising:

routing a call to a network node serving a called subscriber via an entry point for the called subscriber;

generating a CAMEL call reference number for the call in the entry point;

coding the CAMEL call reference number and the address of the entry point in a digit string;

adding at least the digit string as CAMEL-related information to a SIP INVITE message; and

sending the SIP INVITE message to the network node.

17.   (Previously Presented) A method comprising:

receiving a SIP INVITE message in a network node serving a called subscriber from an entry point for the called subscriber;

generating a CAMEL call reference number for the call in the network node;

adding at least the CAMEL call reference number and the address of the network node as CAMEL-related information to a SIP response message acknowledging SIP INVITE message; and

sending the SIP response message to the entry point.

18.   (Previously Presented) A method comprising:

receiving a SIP INVITE message in a network node serving a called subscriber from an entry point for the called subscriber;

generating a CAMEL call reference number for the call in the network node;

coding the CAMEL call reference number and the address of the network node in a digit string;

adding the digit string as CAMEL-related information to a SIP response message acknowledging the SIP INVITE message; and

sending the SIP response message to the entry point.

19-23. (Cancelled)

24.   (Original) A communications system using SIP for IP telephony and providing a CAMEL service, comprising at least

user equipment;

a first network node; and

a second network node,

wherein

the first network node is arranged to add CAMEL-related information relating to a call made to the user equipment to a SIP message and to send the SIP message to the second network node; and

the second network node is arranged to separate the CAMEL-related information from the SIP message.

25.   (Original) A communications system according to claim 24, wherein

the first network node is arranged to generate a CAMEL call reference number and to add at least the CAMEL call reference number and its address as CAMEL-related information to the SIP message.

26.   (Original) A communications system according to claim 24, wherein

the first network node is arranged to generate a CAMEL call reference number, to code at least the CAMEL call reference number and its own address to a digit string and to add at least the digit string as CAMEL-related information to the SIP message; and

the second network node is arranged to decode the digit string.

27.   (Previously Presented) A communications system according to claim 24, wherein the SIP message is a SIP INVITE message comprising CAMEL-related information in the header of the SIP INVITE message.

28.   (Previously Presented) A communications system according to claim 24, wherein the SIP message is a SIP INVITE message comprising CAMEL-related information in the body of the SIP INVITE message.

29.   (Cancelled)

30.   (Original) A communications system using SIP for IP telephony and

providing a CAMEL service, comprising at least

user equipment;

a first network node; and

a second network node,

wherein

the first network node is arranged to add first CAMEL-related information relating to a call made to the user equipment to a SIP INVITE message, to send the SIP INVITE message to the second network node, to receive a SIP response message acknowledging the SIP INVITE message and to separate second CAMEL-related information relating to the call from the SIP response message; and

the second network node is arranged to separate the first CAMEL-related information from the SIP INVITE message, to add the second CAMEL-related information to the SIP response message and to send the SIP response message to the first network node.

31.   (Original) A communications system according to claim 30, wherein

the first CAMEL-related information includes at least the address of the first network node,

the second network node is further arranged to generate a CAMEL call reference number; and

the second CAMEL-related information includes at least the CAMEL call reference number.

32.   (Original) A communications system according to claim 30, wherein

the first network node is further arranged to generate a CAMEL call reference number; and

the first CAMEL-related information includes at least the generated CAMEL call reference number; and

the second CAMEL-related information includes at least the address of the second network node.

33-34. (Cancelled)

35.   (Original) A network node in a communications system using SIP and providing a CAMEL service, wherein the network node comprises means for adding CAMEL-related information to a SIP message.

36.   (Original) A network node in a communications system using SIP and providing a CAMEL service, wherein the network node comprises means for generating a CAMEL call reference number and means for adding at least the CAMEL call reference number as CAMEL-related information to a SIP message.

37.   (Cancelled)

38.   (Previously Presented) A method according to claim 16, wherein the CAMEL-related information is added to the header of the IP telephony signalling protocol message.

39.   (Previously Presented) A method according to claim 16, wherein the CAMEL-related information is added to the body of the SIP message.

40.   (Previously Presented) A method according to claim 17, wherein the CAMEL-related information is added to the header of the IP telephony signaling protocol message.

41.   (Previously Presented) A method according to claim 17, wherein the CAMEL-related information is added to the body of the SIP message.

42.   (Previously Presented) A method according to claim 18, wherein the CAMEL-related information is added to the header of the IP telephony signaling protocol message.

43. (Previously Presented) A method according to claim 18, wherein the CAMEL-related information is added to the body of the SIP message.

44-51. (Cancelled)